

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP2004/007985

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G11B7/006 G11B20/12 G06F17/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 580 683 B1 (BRAITBERG MICHAEL F ET AL) 17 June 2003 (2003-06-17) column 3, line 34 - line 40 column 4, line 16 column 6, line 25 - line 61 column 12, line 43 - line 62	1-9
X	US 4 815 062 A (SUZUKI HIDEFUMI) 21 March 1989 (1989-03-21) column 1, line 12 - line 27 column 1, line 47 - line 51 column 3, line 66 - column 4, line 22 ----- -/--	1-9



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

16 March 2005

Date of mailing of the international search report

24 03. 2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 454 105 A (HATAKEYAMA ET AL) 26 September 1995 (1995-09-26) column 2, line 41 - line 43 column 3, line 20 - line 29 column 3, line 56 - line 67 column 4, line 36 - line 40 column 11, line 35 - line 36 -----	10,11
X	US 2003/135520 A1 (MITCHELL FRED C ET AL) 17 July 2003 (2003-07-17) abstract -----	12,13
X	US 6 125 371 A (BOHANNON ET AL) 26 September 2000 (2000-09-26) abstract -----	12,13

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2004/007985

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-9

Relating to the rewriting strategy of an optical rewritable disc, solving the problem of having quick deterioration of often overwritten disc sectors.

2. claims: 10, 11

Relating to serving concurrent search operations accessing a database file, solving the problem of handling multiple overlapping search requests to a database file.

3. claims: 12, 13

Relating to the distinction between valid and invalid records in a database file based on version numbers contained in the records, solving the problem of being able to identify invalid database records.

INTERNATIONAL SEARCH REPORT

Intern. Application No

PCT/EP2004/007985

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 6580683	B1	17-06-2003	AU	5762200 A	09-01-2001
			CA	2374173 A1	28-12-2000
			CN	1358306 A	10-07-2002
			EP	1194927 A1	10-04-2002
			JP	2003502789 T	21-01-2003
			MX	PA02000121 A	21-07-2003
			TW	556181 B	01-10-2003
			WO	0079526 A1	28-12-2000
			US	2003157292 A1	21-08-2003
			US	2002041562 A1	11-04-2002
			US	2002057631 A1	16-05-2002
US 4815062	A	21-03-1989	JP	63061426 A	17-03-1988
			CA	1301320 C	19-05-1992
			DE	3786962 D1	16-09-1993
			EP	0257594 A2	02-03-1988
US 5454105	A	26-09-1995	JP	2791106 B2	27-08-1998
			JP	3015980 A	24-01-1991
			JP	3054625 A	08-03-1991
			JP	2880192 B2	05-04-1999
			JP	3095672 A	22-04-1991
			US	5519857 A	21-05-1996
			DE	69032712 D1	26-11-1998
			EP	0437615 A1	24-07-1991
			WO	9016036 A1	27-12-1990
			US	5471610 A	28-11-1995
			US	5748953 A	05-05-1998
			US	5168533 A	01-12-1992
			US	6094647 A	25-07-2000
			US	5469354 A	21-11-1995
			US	5220625 A	15-06-1993
			JP	2986865 B2	06-12-1999
			JP	3174652 A	29-07-1991
			DE	69328746 D1	06-07-2000
			DE	69328746 T2	28-12-2000
			EP	0561364 A2	22-09-1993
			JP	3413866 B2	09-06-2003
			JP	6060121 A	04-03-1994
			US	5757983 A	26-05-1998
			US	5138669 A	11-08-1992
			US	5140644 A	18-08-1992
US 2003135520	A1	17-07-2003	AU	2003207524 A1	30-07-2003
			CA	2473168 A1	24-07-2003
			EP	1470499 A1	27-10-2004
			WO	03060775 A1	24-07-2003
US 6125371	A	26-09-2000	NONE		